Birds of Lusenga Plain National Park, Zambia

Peter Leonard

Les oiseaux du Parc National de la Plaine de Lusenga, Zambie. Le Parc National de la Plaine de Lusenga, situé à l'extrême nord de la Zambie, est mal connu et difficile d'accès. De récents travaux sur le terrain sont présentés ainsi qu'une liste annotée de 214 espèces d'oiseaux recensées dans le parc. Le site a été identifié comme une Zone d'Importance pour la Conservation des Oiseaux à cause de son importante biodiversité et de la présence de deux espèces globalement menacées, le Vautour oricou *Torgos tracheliotus* et la Grue caronculée *Bugeranus carunculatus*, et de 26 espèces confinées à un certain biome, parmi lesquelles 20 endémiques ou quasi endémiques du biome zambésien.

Summary. Lusenga Plain National Park, situated in the far north of Zambia, is poorly known and difficult to reach. This paper summarises recent field work and presents a list of 214 species recorded in the park with an indication of status and habitat. The park has been identified as an Important Bird Area due to its high biodiversity and the presence of two species of global conservation concern, Lappet-faced Vulture *Torgos tracheliotus* and Wattled Crane *Bugeranus carunculatus*, and 26 biome-restricted species, including 20 Zambezian endemics and near-endemics.

usenga Plain is a forgotten park. It is small by Zambian standards, difficult to reach and a long way off the beaten track. Nevertheless, interest in the park was generated during the preparation of the Zambian Important Bird Area (IBA) inventory when it became clear that Zambia's dominant biome (the Zambezian) was poorly represented in the high-rainfall areas of the Northern Province plateau. Biodiversity was known to be high in such areas and as Lusenga Plain National Park lies in this area and was already afforded protected status, it was suggested that it might make a suitable addition to the IBA network. However, data were very few and it became clear that new field work was going to be necessary. Furthermore, the state of the habitat needed to be assessed. Enquiries were made at the Zambia Wildlife Authority (ZAWA) headquarters, but unfortunately no-one had even heard of the park, let alone knew of its status or whether it was feasible to visit. I came to an informal agreement with ZAWA that I would investigate the park and report my findings.

Formerly a game reserve, the area became a national park in 1972. Until recently it had received almost no attention from ornithologists, or indeed field workers of any description. Therefore it should be noted that the following is still based on few data and visits to only small areas of the park.

Captions to plates on opposite page

Figure 1. Map of Lusenga Plain National Park and surrounding area.

Carte du Parc National de la Plaine de Lusenga et de ses environs.

Figure 2. View of Lusenga Plain from the southern edge, showing a finger of mushitu extending onto the plain (Pete Leonard)

La plaine de Lusenga vue à partir de la limite sud, avec une zone de mishitu (forêt dense sempervirente) s'étendant dans la plaine (Pete Leonard)

Figure 3. View over a valley in the park. Taken from open hill miombo and overlooking a strip of gallery mushitu, beyond which is more typical, closed miombo (Pete Leonard)

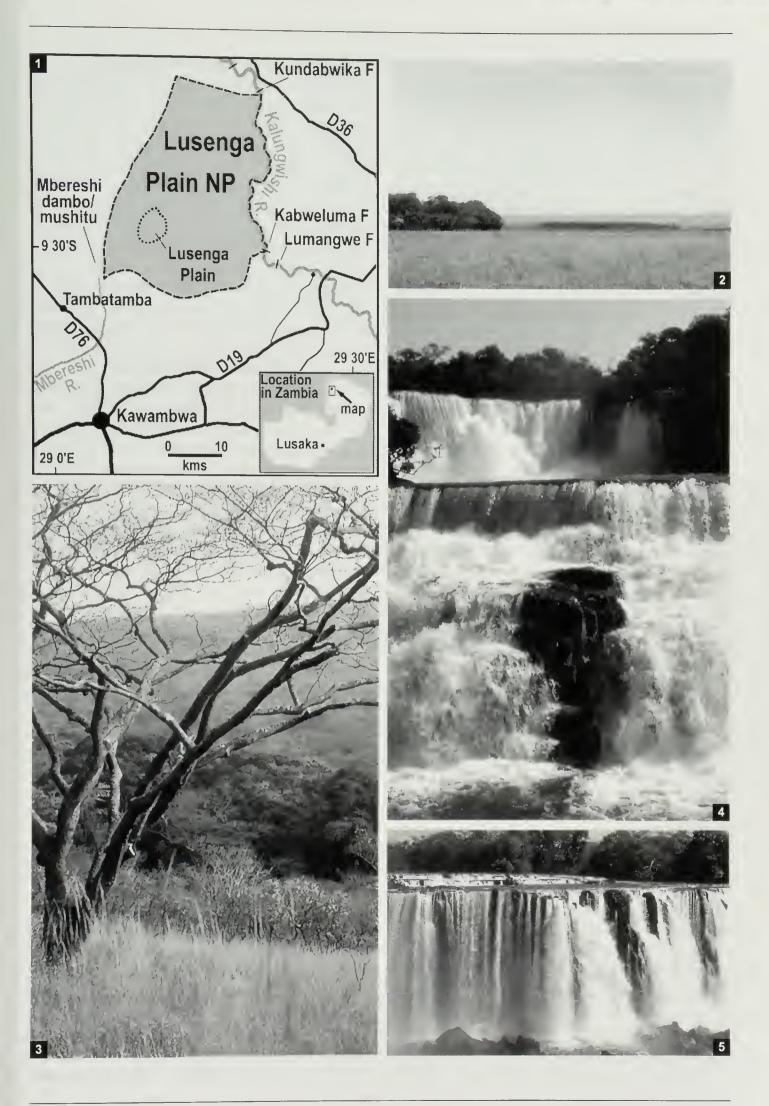
Une vallée à l'intérieur du parc. Vue prise à partir d'une zone de miombo ouvert surplombant une forêt galerie audelà de laquelle se trouve une zone de miombo plus typique et fermé (Pete Leonard)

Figure 4. Kabweluma Falls on the Kalungwishi River (Pete Leonard)

Les chutes de Kabweluma sur la rivière Kalungwishi (Pete Leonard)

Figure 5. Lumangwe Falls on the Kalungwishi River (Pete Leonard)

Les chutes de Lumangwe sur la rivière Kalungwishi (Pete Leonard)



Geography and vegetation

Lusenga Plain National Park covers an area of c.880 km² in northernmost Kawambwa District, Luapula Province, between 09°13′–09°35′S and 29°03′–29°20′E. It lies in the north-western corner of the Northern Province plateau and is bordered to the east by the Kalungwishi River. The entire park falls within the Congo drainage system. The highest areas, reaching 1,374 m, are in the south. The north is somewhat lower, with the lowest point of c.980 m at the northernmost extremity.

The plain from which the park takes its name is in the south-western corner. It is oval-shaped and measures $c.7 \times 5$ km. It was formed by the weathering of an old volcanic plug dome. Weathering of the softer rock has left an open, saucer-shaped depression surrounded by concentric rings of rocky ridges (Clarke & Loe 1974). The grassland of the plain is typical of upland dambos in northern Zambia and towards the centre there are some very wet, swampy areas. Along the small drainage lines entering the plain are patches of mushitu (moist evergreen forest) and set back from the plain itself are scattered patches of dry evergreen *Marquesia* forest.

Many of the park's rivers support strips of rich gallery mushitu, but the vast majority of the area is covered by woodland. This is mainly miombo (*Brachystegia*-dominated) of various formations ranging from tall, dense types on flatter terrain, to more open and sometimes stunted types on steep and rocky ground. Alluvial soils support patches of *Pteleopsis anisoptera* and at lower altitudes the woodland is undifferentiated and somewhat drier. The Kalungwishi is a sizeable river throughout the length of the park, with a variety of waterfalls and rocky rapids as well as quiet backwaters lined with riparian forest.

Field work

Between 23 and 26 August 2001, D. Chizuwa, L. Hamusikili and I explored two areas of the park with the aims of establishing a preliminary bird checklist and determining whether the park met the criteria needed to qualify as an Important Bird Area.

The first area visited was the south-western corner. This was approached from Kawambwa on the D76, on 23 August. After crossing the Mbereshi River a driveable track was followed

from Tambatamba village to the site of the nowderelict Mbeleshi Wildlife Camp. It appeared that no ZAWA scouts had been stationed there for some time. From the camp, the track continued along the western edge of Mbereshi dambo, in the centre of which is an extremely large mushitu c.3 km long. Much of this would appear to lie within a forest reserve. The track continued around the head of the dambo and entered the park at c.09°32'S 29°04'E. The track was followed for another c.4 km until it crossed an arm of the Kafungila River, where we camped at 09°31'S 29°05'E. The following day I walked north-east from there to the southern tip of Lusenga Plain, explored several parts of the grassland and walked about one-third of its western perimeter.

On 25 August we returned to Kawambwa and visited Lumangwe and Kabweluma Falls via the D19, both of which lie on the Kalungwishi not far from the south-eastern corner of the park. We then drove to the north-eastern corner of the park on the D36 where, with help from local villagers, we located the site of the now abandoned Misapa Wildlife Camp, at 09°14'S 29°21'E. We camped here on the banks of the Kalungwishi and on the morning of 26 August I employed a fisherman to take me across the river in order to spend a morning in the park.

Birds

The avifauna was rich and a complete list of species known from the park is presented in the Appendix. This list includes information on habitats from which species are known and an indication of their status, as far as can be determined from our field work.

The total number of species recorded in the park now stands at 214, of which ten are Palearctic migrants, 27 Afrotropical migrants, 25 partial or possible migrants, and the remaining 152 residents. Two species of global conservation concern occur: Lappet-faced Vulture Torgos tracheliotus and Wattled Crane Bugeranus carunculatus; the latter probably breeds. A further four are of local conserconcern: Saddle-billed Ephippiorhynchus senegalensis, Bateleur Terathopius ecaudatus, African Marsh Harrier Circus ranivorus and Southern Crowned Crane Balearica regulorum (Leonard 2005). Three species have restricted Zambian ranges: Angola Swallow Hirundo angolensis, Cassin's Flycatcher Muscicapa cassini and Black-bellied Seedcracker *Pyrenestes ostrinus*, and 26 biome-restricted species occur, including 20 Zambezian endemics and near-endemics.

A few other species merit additional comment. Some of the woodland species showed a preference for certain areas. Southern Hyliota Hyliota australis was recorded only once (a family group), in less well-developed hill miombo. Redcheeked Cordon-bleu Uraeginthus bengalus was usually found near small clearings in the woodland and Tawny-flanked Prinia Prinia subflava, Trilling Cisticola woosnami and Short-winged Cisticolas C. brachypterus tended to favour areas with long grass. Occasionally Red-collared Widowbirds Euplectes ardens were found in such areas too. The high density of Violet-backed Sunbirds Anthreptes longuemarei in the miombo was particularly notable as this species is generally not that common in Zambia.

Species found in both forest and woodland that were only found in the latter where it was particularly rich and well developed included Blackbacked Barbet Lybius minor, Little Spotted Woodpecker Campethera cailliautii, Dusky Flycatcher Muscicapa adusta and Yellow White-eye Zosterops senegalensis. A few woodland species were common at forest edges, such as Common Bulbul Pycnonotus barbatus and Amethyst Sunbird Nectarinia amethystina. Pale-billed Hornbill Tockus pallidirostris was recorded once at a fruiting fig tree within a mushitu and a Whyte's Barbet Stactolaema whytii was observed in the canopy of dry evergreen forest. The habitat of Lead-coloured Flycatcher Myioparus plumbeus was particularly interesting, being apparently the ecotone between riparian forest and adjacent dry woodland along the Kalungwishi River. On one occasion several francolins, probably Red-necked Francolinus afer, were flushed from a patch of mushitu.

Several forest generalists were found to occur in varying densities according to the forest type. Thus, Yellow-rumped Tinkerbird *Pogoniulus bilineatus*, Little Greenbul *Andropadus virens* and Square-tailed Drongo *Dicrurus ludwigii* were least common in dry evergreen forest. The remaining species mentioned in this paragraph were all apparently absent from dry evergreen forest. Furthermore, Dark-backed Weaver *Ploceus bicolor* and Yellow-throated Leaflove *Chlorocichla flavicollis* were more common in riparian forest, whereas Cabanis's Greenbul *Phyllastrephus cabanisi*, Olive

Sunbird *Cyanomitra olivacea* and Splendid Glossy Starling *Lamprotornis splendidus* were more common in mushitu. Grey-olive Bulbul *Phyllastrephus cerviniventris* was also absent from dry evergreen forest and seemed to prefer the narrower strips of gallery mushitu and riparian forest.

Some breeding behaviour was observed. A Wahlberg's Eagle Aquila wahlbergi was seen at a nest in open mushitu near Lusenga Plain. Greenbacked Honeybird Prodotiscus zambesiae was regularly seen displaying in miombo and a Brownbacked Honeybird P. regulus displaying over dry woodland. A Dusky Lark Pinarocorys nigricans was displaying in a typical open woodland location which was still smouldering after a recent fire.

Local residents reported large owls beside the Kalungwishi River and although these may refer to Pel's Fishing Owl *Scotopelia peli*, the species' presence could not be confirmed. Southern Carmine Bee-eater *Merops nubicoides* was recorded regularly overhead, but all birds were on passage.

Until the work reported here, the park's bird list stood at just 27 species. Twelve of these were recorded again during our visit and the remaining 15 also probably still occur. The one plausible exception is Yellow-billed Oxpecker *Buphagus africanus*, which is perhaps no longer present due to the lack of large mammals. Of the 15 species not recorded by us, there are published references for only three: Yellow-billed Duck *Anas undulata* (four on 18 September 1954: Rowan 1963), Yellow-billed Oxpecker *Buphagus africanus* (mentioned as present by Attwell 1966) and Parasitic Weaver *Anomalospiza imberbis* ('Coll.': no date: Benson 1956). However, there is informal documentation for the 12 others (R. J. Dowsett *in litt.* 2005).

Several ornithologists have visited Kundabwika Falls on the Kalungwishi (09°12'S 29°20'E). Although this site lies just outside the park, 11 species recorded only there, most of them in March 1972 (R. J. Dowsett *in litt.* 2005; see Appendix), have been included on the park list, as the habitat is continuous and the area is so close.

Conservation

In the areas visited, the habitat was relatively undisturbed. There was a general paucity of large mammals but much evidence of medium- and small-sized mammals. A single Reedbuck *Redunca arundinum* was seen on the plain and many areas had been rooted by Bush Pigs *Potamochoerus lar*-

vatus. Numerous antelope tracks were tentatively identified as belonging to Bushbuck Tragelaphus scriptus, duikers Sylvicapral Cephalophus spp., Lichtenstein's Hartebeest Alcelaphus (buselaphus) lichtensteinii and Roan Antelope Hippotragus equinus. Yellow Baboons Papio cynocephalus were seen on rocky ridges and Vervet Cercopithecus pygerythrus, Blue Monkey C. nictitans mitis and Gambian Sun Squirrel Heliosciurus gambianus were observed in mushitu. Greater Galagos Otolemur crassicaudatus were regularly heard at night.

Traps and snares of subsistence hunters were found in many places, particularly within mushitus. The occasional small but well-used bicycle track suggested that these were checked fairly regularly. Birds most at risk and clearly targeted by such methods were Helmeted Guineafowl Numida meleagris and francolins. The occasional tree had been felled, probably for collecting honey, but perhaps the most important conservation issue was the rigorous burning of large sections of the park, affecting all habitats. Despite this, the relatively high number of bird species combined with the large area of relatively undisturbed habitat suggests that the park is a suitable IBA and it has been included as such in Zambia's national inventory (Leonard 2005).

Future field workers are encouraged to explore other areas of the park, particularly in the northwest. Field work at other seasons would also be desirable. In addition, the extensive mushitu along the Mbereshi should be investigated, as this may well prove to be a valuable extension to the IBA.

It is unfortunate that once a national park loses its large mammals, interest in it dwindles. This can lead to a decrease in protection and an increase in human disturbance. It is hoped that by affording Lusenga Plain National Park IBA status, its importance for all other aspects of its flora and fauna will be highlighted.

Acknowledgements

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46 Trenchard Close, Newton, Nottingham, NG13 8HG, UK. E-mail: pete@pleonard3.wanadoo.co.uk

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Appendix. Bird species recorded in Lusenga Plain National Park.

Annexe. Espèces d'oiseaux recensées dans le Parc National de la Plaine de Lusenga.

previously recorded, but not found during this survey rarely encountered during this survey, only one or two records in total

found occasionally, one or two records per day found regularly, several records per day ++ found very frequently, many records per day ++++ =

Habitat

woodland (all types)

W(m) =miombo

drier, undifferentiated woodland forest (all types) W(d)' =

F(m) = F(r) = K = mushitu

riparian forest Kalungwishi River and environs (including riparian

overhead

Lusenga Plain

Ľ S KF known only from Kundabwika Falls

Species	Abundance	Habitat
Reed Cormorant Phalacrocorax africanus	++	K
Cattle Egret Bubulcus ibis	++	K
Green-backed Heron Butorides striata	(+)	KF
Purple Heron Ardea purpurea	+	K
Hamerkop Scopus umbretta	++	K
Woolly-necked Stork Ciconia episcopus	(+)	
Saddle-billed Stork Ephippiorhynchus senega	alensis (+)	
Hadada Ibis Bostrychia hagedash	++	K
Spur-winged Goose Plectropterus gambensis	6 (+)	
Yellow-billed Duck Anas undulata	(+)	
Red-billed Teal Anas erythrorhyncha	(+)	
Black/Yellow-billed Kite Milvus migrans	+++	K
African Fish Eagle Haliaeetus vocifer	++	K
Lappet-faced Vulture Torgos tracheliotus	(+)	

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Red-geed Dove Streptopela semilorquata	· · · · · · · · · · · · · · · · · · ·		* :			F(m)
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Lady Ross's Turaco Musophaga rossae		++				F
Black Cuckoo Cuculus gularis	Lady Ross's Turaco Musophaga rossae	++	F	· ·	+++	F (r,m)
African Cuckoo Cuculus gularis +++ F(m) Bocagès Robin Shepardia bocagèi +++ F(m) Raas's Cuckoo Chrysococcyx klaas +++ W(m) White-browed Robin Chat Cossypha heugini +++ F(m) Wimber Robin Cercotrichas barbata ++++ W(m) Robin Scrub Robin Cercotrichas barbata ++++ W(m) Robin Robin Cercotrichas leucophrys ++ W(m) Robin Robin Cercotrichas leucophrys ++ W(m) Rican Bared Owlet Glaucidium capense +++ F(m) African Wood Owl Strix woodfordii +++ F(m) African Wood Owl Strix woodfordii +++ F(m) Mimber Robin Cercotrichas leucophrys ++ W(m) Rican Bared Owlet Glaucidium capense +++ F(m) African Robin		+++	W(m), F		+++	F (r,m)
Emerald Cuckoo Chrysococcyx klaas +++ W(m) Klaas's Cuckoo Chrysococcyx klaas +++ W(m) Winte-browed Robin Chat Cossypha heugini +++ F(m) Red-capped Robin Chat Cossypha natalensis +++ F(r) Winte-browed (Burchell's) Coucal Centropus superaliosus ++		++		Cabanis's Greenbul Phyllastrephus cabanisi	+++	F(m,r)
Value Sc Cucko C Physococcyx klaas					++	W, F
Coppery-tailed Coucal Centropus cupreicaudus ++			* /			
White-browed (Burchell's) Coucal Centropus superciliosus			vv(m)			
Centropus superailiosus		++	L			
African Scops Owl Offus senegalensis +++ W(m) Stonechat Saxicofa torquatus +++ W(m) African Barred Owlet Gfaucidium capense ++ F(n) F(m) Proposed Mightiar Caprimulgus pectoralis +++ W(m) African Wood Owl Strix woodfordii +++ F(m) African Montrola angolensis +++ W(m) African Wood Owl Strix woodfordii +++ F(m) African Montrola angolensis +++ W(m) African Wood Owl Strix woodfordii +++ F(m) African Montrola angolensis +++ W(m) African Montrola angolensis +++ L K(m) African Montrola angolensis +++ W(m) African Montrola angolensis +++ L K(m) African Montrola angolensis +++ L K(m) African Montrola Marchier Molocichia mentalis ++ L, K Broad-tailed Warbler Schoenicola brevirostris +++ L K(m) African Montrola angolensis +++ W(m) African Montrola angolensis +++ L K Yellow-bellied Eremonal anticolicola brevirostris +++ L K Yellow-bellied Eremonala anticolicola retropogola antalensis ++ K Yellow-bellied Eremonala Eremonala atteropygialis ++ W(m) African Pygmy Kinglisher Halcyon albiventris +++ W(m) African Pygmy Kinglisher Ceyx pictus ++ W(m) African Pygmy Kinglisher Alcedo semitorquata ++ K Yellow-bellied Hyliota Hyliota Australis +++ W(m) African Pygmy Kinglisher Alcedo semitorquata ++ K Yellow-bellied Hyliota Hyliota Australis ++ W(m) African Pygmy Kinglisher Alcedo semitorquata ++ K Yellow-bellied Hyliota Hyliota Australis ++ W(m) African Pygmy Kinglisher Alcedo semitorquata ++ K Southern Hyliota African Pygmy Kinglisher Alcedo semitorquata ++ K Southern Hyliota African Pygmy Kinglisher Alcedo semitorquata ++ W(m) African Montrola Pygmy Kinglisher Alcedo semitorquata ++ W(m) African Montrola Pygmy		++	E. K			, ,
Southern White-faced Owl Ptilopsis granti + W(d) African Barred Owlet Glaucidium capense ++ F(r) African Barred Owlet Glaucidium capense ++ F(r) Miombo Rock Thrush Monitocloa angolensis ++ W(m) Miombo Rock Thrush Monitocloa Angolensi						**(d)
African Barred Owlet Glaucidium capense		+		·		W(m)
African Wood Owl Strix woodfordii +++ F(m) Swamp (Natal) Nightjar Caprimulgus pectoralis ++ W(m) Swamp (Natal) Nightjar Caprimulgus natalensis (+) - Pennant-winged Nightjar Macrodipteryx vexillarius +++ W Bõhm's Spinetail Neafrapus boehmi (+) KF Common Swift Apus apus (+) KF White-rumped Swift Apus caffer (+) KF Narina's Trogon Apaloderma narina ++++ F Grey-headed Kingfisher Haleyon albiventris +++ W(m) Grey-headed Kingfisher Haleyon albiventris +++ W(m) Grey-headed Kingfisher Haleyon chelicuti +++ W(m) African Pygmy Kingfisher Ceyx pictus ++ F(m) Half-collared Kingfisher Alcedo semitorquata +++ K Giant Kingfisher Megaceryle maxima +++ K Giant Kingfisher Megaceryle maxima +++ W(d) Blue-breasted Bee-eater Merops pusilius +++ W(d) Swallow-tailed Bee-eater Merops pintundineus ++ W(d) Swallow-tailed Bee-eater Merops pintundineus ++ W(d) Swallow-tailed Bee-eater Merops pintundineus ++ W(d) Swallow-tailed Roller Eurystomus glaucurus ++ W(d) Southern Carmine Bee-eater Merops nubicoides +++ W(d) Southern Ground Hornbill Bucorvus leadbeateri + W(m) Frimant-wind Martiner Pylina subflava +++ F(m) Frimant-wind Frina subflava +++	African Barred Owlet Glaucidium capense	++	F(r)			
Swamp (Natal) Nightjar Caprimulgus natalensis (+) Pennant-winged Nightjar Macrodipteryx vexillarius +++ Böhm's Spinetail Neafrapus boehmi (+) KF Common Swift Apus apus (+) White-rumped Swift Apus caffer (+) Rarina's Trogon Apaloderma narina ++++ From-hooded Kingfisher Halcyon albiventris +++ Brown-hooded Kingfisher Halcyon leucocephala +++ Wing Striped Kingfisher Halcyon chelicuti ++ Wing Grey-headed Kingfisher Halcyon chelicuti ++ Wing Striped Kingfisher Aledo semitorquata ++ Giant Kingfisher Megaceryle maxima +++ Giant Kingfisher Megaceryle maxima +++ Bile-breasted Bee-eater Merops pusillus +++ Bile-breasted Bee-eater Merops nubicoides ++- Swallow-tailed Bee-eater Merops nubicoides ++- Brown-hooded Kingfisher Caprus musika subflava +++ Wing Swallow-tailed Bee-eater Merops nubicoides ++- Brown-hooded Cisticola Cisticola Cisticola brachypterus +++ Wing Sundlern Braded Prinial Bucorvus leadbeateri ++- Wing Swallow-tailed Bee-eater Merops pusilus ++- Brown-hooded Cisticola Repriniatus ++- Brown-hooded Kingfisher Caprus his with the proposition of the prinial subflava +++- Brown-hooded Kingfisher Aledo semitorquata ++- K Yellow-bellied Hyliota Hyliota flavigaster +++- Wing Swallow-tailed Bee-eater Merops variegatus +++- Brown-hooded Cisticola Cisticola erythrops +++- Brown-hooded Cisticola Cisticola erythrops +++- Brown-hooded Cisticola Cisticola Cisticola brachypterus +++- Brown-hooded Cisticola Cisticola Cisticola brachypterus +++- Brown-hooded Cisticola Revenue Alexandra (+) Brown-hooded Ringfisher Caprus historial Prinia subflava +++ Brown-hooded Cisticola Cisticola Cisticola Cisticola cinnamomeus ++- Brown-hooded Cisticola Revenue Alexandra (+) Brown-hooded Ringfisher Caprus historial Prinia subflava +++ Black-necked Eremomela Eremomela Eremomela etremomela etremomela creropygialis ++ Winghilla Rederinia Syndia Syndi		+++			+++	ŕ
Pennant-winged Nightjar Macrodipteryx vexillarius +++ W African Moustached Warbler Melocichla mentalis ++ L, K Böhm's Spinetail Neafrapus boehmi (+) KF Broad-tailed Warbler Schoenicola brevirostris +++ L K Winter-runped Swift Apus caffer (+) KF African Plelliwed Warbler Chloropeta natalensis + K Whiter-runped Swift Apus caffer (+) KF Yellow-bellied Eremomela Eremomela icteropygialis ++ Winter-runped Swift Apus caffer (+) KF Yellow-bellied Eremomela Eremomela icteropygialis ++ Winter-runped Kingfisher Halcyon albiventris +++ F Black-necked Eremomela Eremomela acotops ++++ Winter-runped Kingfisher Halcyon ibevoccephala +++ Winter-runped Kingfisher Halcyon chelicuti ++ Winter-runped Kingfisher Halcyon chelicuti ++ Winter-runped Kingfisher Ceyx pictus ++ F(m) Half-collared Kingfisher Alcedo semitorquata ++ K Yellow-bellied Hyliota Hyliota flavigaster ++++ Winter-runped Kingfisher Alcedo semitorquata ++ K Yellow-bellied Hyliota Hyliota flavigaster ++++ Winter-runped Kingfisher Alcedo semitorquata ++ K Yellow-bellied Hyliota Hyliota flavigaster ++++ Winter-runped Kingfisher Alcedo semitorquata ++ K Yellow-bellied Hyliota Hyliota flavigaster ++++ Winter-runped Kingfisher Alcedo semitorquata ++ K Yellow-bellied Hyliota Hyliota flavigaster ++++ Winter-runped Kingfisher Alcedo semitorquata ++ K Yellow-bellied Hyliota Hyliota flavigaster ++++ Winter-runped Kingfisher Alcedo semitorquata ++ K Yellow-bellied Hyliota Hyliota australis ++ Winter-runped Kingfisher Alcedo semitorquata ++ K Yellow-teasted Bee-eater Merops apiaster ++ Winter-runped Kingfisher Alcedo semitorquata ++ Winter-runped Kingfisher Alcedo semitorquata ++ Winter-runped Kingfisher Alcedo semitorquata ++ Winter-runped Cisticola Cisticola Cisticola mosnami +++ Winter-runped Cisticola Cisticola Cisticola Cisticola Semitoral Propositiva Hyliota Alcedo Semitorquata ++ Winte			W(m)	Kurrichane Thrush Turdus libonyanus	+++	W
Böhm's Spinetail Neafrapus boehmi (+) KF Common Swift Apus apus (+) KF White-rumped Swift Apus apus (+) KF White-rumped Swift Apus apus (+) KF White-rumped Swift Apus caffer (+) KF Willow-bellied Eremomela Eremomela icteropygialis + White-rumped Swift Apus caffer (+) KF Wellow-bellied Eremomela Eremomela icteropygialis + Willow-healted Kinglisher Halcyon albiventris +++ F Green-capped Eremomela Eremomela acticollis +++ WM Millow Marbler Phylloscopus trochilus (+) KF Millow-bellied Eremomela Eremomela acticollis +++ WM Millow Marbler Phylloscopus trochilus +++ WM Millow Marbler Phylloscopus trochilus (+) KF Millow-bellied Kinglisher Alcedo semitorquata ++ K Millow-bellied Hyliota Hyliota flavigaster ++++ WM Millow-bellied Hyliota Hyliota flavigaster +++ WM Millow-bellied Hyliota Hyliota flavigaster +++ WM Millow-bellied Hyliota Hyliota australis ++ WM Millow-bellied Hyliota Hyliota australis ++ WM Millow-bellied Hyliota Hyliota flavigaster +++ WM Millow-bellied Greitoola Cisticola Cisticola Frachypterus +++ WM Millow-bellied Hyliota Hyliota flavigaster +++ WM Millow-bellied Greitoola Cisticola Frachypterus +++ WM Millow-bellied Greitoola Cisticola Frachypterus +++ WM Millow-bellied Greitoola Cisticola C			-		+++	F(m)
Common Swift Apus apus (+) KF African Yellow Warbler Chloropeta natalensis + K White-rumped Swift Apus caffer (+) KF Yellow-bellied Eremomela Eremomela icteropygialis ++ White-rumped Swift Apus caffer (+) KF Yellow-bellied Eremomela Eremomela icteropygialis ++ White-rumped Swift Apus caffer (+) KF Yellow-bellied Eremomela Eremomela icteropygialis ++ White-rumped Swift Apus caffer (+) KF Yellow-bellied Eremomela Eremomela icteropygialis ++ White-rumped Swift Apus caffer (+) KF Yellow-bellied Eremomela Eremomela icteropygialis ++ White-rumped Swift Apus caffer (+) KF Yellow-bellied Eremomela Eremomela Eremomela Scotops (+) KF Green-capped Crombec Sylvietta ruficapilla +++ White-rumped Swift Apus caffer (+) Willow Warbler Phylloscopus trochilus (+) KF African Pigna Franciscopy Swift and Indiana Apus Crombec Sylvietta ruficapilla +++ White-rumped Swift Apus caffer (+) Willow Warbler Phylloscopus trochilus (+) KF African Yellow-bellied Eremomela Eremomela icteropygialis ++ White-rumped Swift Apus caffer (+) Willow Barber Phylloscopus trochilus (+) KF African Yellow-bellied Eremomela Eremomela icteropygialis ++ White-rumped Swift Apus caffer (+) Willow Warbler Phylloscopus trochilus (+) KF African Yellow-bellied Eremomela Eremomela icteropygialis ++ White-rumped Swift Apus caffer (+) Willow Warbler Phylloscopus attribution to Willow Warbler Phylloscopus attribution to Willow Warbler Phylloscopus Crombec Sylvietta ruficapilla +++ White-rumped Indiana Apus caffer (+) KF Yellow-bellied Hyliota Hyliota flavigaster (+) KF Yellow-bellied Hyliota Hyliota flavigaster (+) Willow Warbler Phylloscopus flavial +++ White-rumped Tinkerbird Pogoniulus bilineatus (+) KF Yellow-breasted Apalis Apalis flavida (+) KF Yellow-breasted Apalis Apa					++	L, K
White-rumped Swift Apus caffer (+) KF Yellow-bellied Eremomela Eremomela icteropygialis ++ Warina's Trogon Apaloderma narina ++++ F Grey-headed Kingfisher Halcyon albiventris +++ F F Grey-headed Kingfisher Halcyon leucocephala +++ W(m) Striped Kingfisher Halcyon chelicuti ++ W(m) Striped Kingfisher Halcyon chelicuti ++ W(m) Half-collared Kingfisher Alcedo semitorquata ++ K Giant Kingfisher Alcedo semitorquata ++ K Giant Kingfisher Alcedo semitorquata ++ K Giant Kingfisher Megaceryle maxima ++ K Southern Hyliota Hyliota flavigaster +++ W(m) Half-collared Kengisher Megaceryle maxima ++ K Southern Hyliota Hyliota alustralis ++ W(m) Half-collared Bee-eater Merops pusillus ++ W(d) Red-faced Cisticola Cisticola Cisticola cisticola cisticola Cisticola cisticola Cisticola robustus ++ W(m) Stout Cisticola Cisticola robustus ++ W(m) Stout Cisticola robustus ++ W(m) Stout Cisticola robustus ++ W(m) Stout Cisticola analalensis ++ W Diard (Long-tailed) Cisticola analalensis ++ W Diard (Long-tailed) Cisticola cisticola cisticola cisticola cisticola analalensis ++ W Diard (Long-tailed) Cisticola cisticol	· · · · · · · · · · · · · · · · · · ·					L
Narina's Trogon Apaloderma narina ++++ F Green-capped Eremomela Eremomela scotops ++++ W(m) Grey-headed Kingfisher Halcyon leucocephala +++ W(m) Red-capped Crombec Sylvietta ruficapilla +++ W(m) R						K
Brown-hooded Kingfisher Halcyon albiventris Grey-headed Kingfisher Halcyon leucocephala H++ Striped Kingfisher Halcyon chelicuti H++ W(m) Red-capped Crombec Sylvietta ruficapilla H++ W(m) Red-faced Cistical aruficapilla H++ W(m) Southern Hyliota Australis H++ W(m) Red-faced Cisticola Hyliota Australis H++ W(m) Red-faced Cisticola Cisticola Cisticola erythrops H++ W(m) Southern Hyliota Australis H++ W(m) South Cisticola Cisticola Cisticola woosnami H++ W(m) Stout Cisticola Cisticola Cisticola robustus H++ W(m) Stout Cisticola Cisticola Cisticola robustus H++ W(m) Stout Cisticola Cistic						
Grey-headed Kingfisher Halcyon leucocephala +++ W(m) Striped Kingfisher Halcyon chelicuti ++ W(d) African Pygmy Kingfisher Ceyx pictus + F(m) Half-collared Kingfisher Alcedo semitorquata ++ K Giant Kingfisher Megaceryle maxima ++ K Giant Kingfisher Megaceryle maxima ++ K Giant Kingfisher Merops pusillus ++ W(d) Blue-breasted Bee-eater Merops variegatus +++ W(d) Sullow-tailed Bee-eater Merops variegatus +++ W(d) Sullow-tailed Bee-eater Merops nubicoides ++ O Swallow-tailed Bee-eater Merops nubicoides ++ O Sundhern Carmine Bee-eater Merops nubicoides ++ W(d) Stout Cisticola Cisticola cisticola robustus +++ W(d) Stout Cisticola Cisticola Cisticola prachypterus ++++ W(d) Stout Cisticola Cisticola Cisticola brachypterus ++++ W(d) Stout Cisticola Cisticola Cisticola brachypterus ++++ W(d) Stout Cisticola Cisticola Cisticola cisticola brachypterus ++++ W(d) Tabora (Long-tailed) Cisticola cinnamomeus ++ W(d) Stout Cisticola Cisticola Cisticola cinnamomeus ++ W(d) Hoppoe Upupa epops ++ W Pale-crowned Cisticola Cisticola cinnamomeus ++ U(d) Sullow Varier Pylloscopus Individua australis ++ W(m) Figlow-bellied Hyliota Alyliota australis ++ W(m) Grey Apalis Apalis individua erythiprops ++++ W(m) Grey Apalis Apalis individua +++++ F(m) Grey-backed Camaroptera Camaroptera brachyura ++++ W(m) Fignor-backed Camaroptera Camaroptera brachyura ++++ W(m) Fignor-backed Calmonastes simplex ++++ W(m) Fignor-backed Calmonastes simplex +++ W(m) Fignor-backed						
Striped Kingfisher Halcyon chelicuti ++ W(d) Willow Warbler Phylloscopus trochilus (+) KF African Pygmy Kingfisher Ceyx pictus + F(m) Laura's Woodland Warbler Phylloscopus laurae ++ F(m) Half-collared Kingfisher Alcedo semitorquata ++ K Yellow-bellied Hyliota Hyliota flavigaster ++++ W(m) Giant Kingfisher Megaceryle maxima ++ K Southern Hyliota Hyliota australis + W(m) Hilte Bee-eater Merops pusillus ++ W(d) Red-faced Cisticola Cisticola erythrops +++ W(m) Red-faced Cisticola Cisticola erythrops +++ W(m) Stout Cisticola Cisticola erothops hirundineus ++ W(d) Stout Cisticola Cisticola robustus +++ U(m) Stout Cisticola Cisticola robustus +++ U(m) Stout Cisticola Cisticola Cisticola robustus +++ U(m) Stout Cisticola Cisticola Cisticola tratalensis ++ U(m) Stout Cisticola Cisticola Cisticola brachypterus +++ W(m) Short-winged Cisticola Cisticola brachypterus +++ W(m) Tabora (Long-tailed) Cisticola Cisticola brachypterus +++ U(m) Tabora (Long-tailed) Cisticola Cinnamomeus ++ U(m) Cisticola angusticauda (+) KF U(m) Feale-billed Hornbill Tockus alboterminatus ++ W(m) Fellow-breasted Apalis Apalis flavida ++ F(m) Grey-backed Camaroptera brachyura ++ W(m) Grey Wren Warbler Calamonastes simplex +++ W(m) Fellow-fronted Tinkerbird Pogoniulus bilineatus ++ F Southern Black Flycatcher Melaenornis pammelaina + W(m) Yellow-fronted Tinkerbird Pogoniulus chrysoconus ++ W(m) Pale Flycatcher Bradornis pallidus ++ W(m)						. ,
African Pygmy Kingfisher Ceyx pictus + F(m) Laura's Woodland Warbler Phylloscopus laurae ++ F(m) Half-collared Kingfisher Alcedo semitorquata ++ K Yellow-bellied Hyliota Hyliota flavigaster ++++ W(m) Giant Kingfisher Megaceryle maxima ++ K Southern Hyliota Hyliota australis + W(m) Little Bee-eater Merops pusillus ++ W(d) Red-faced Cisticola Cisticola Cisticola erythrops +++ W(m) Red-faced Cisticola Cisticola Cisticola woosnami +++ W(m) Red-faced Cisticola prachypterus +++ W(m) Red-faced Cisticola		++				KF
Half-collared Kingfisher Alcedo semitorquata ++ K Yellow-bellied Hyliota Australis ++ W(m) Little Bee-eater Merops pusillus ++ W(d) Red-faced Cisticola Cisticola Cisticola erythrops +++ W(m) Blue-breasted Bee-eater Merops variegatus ++++ L Trilling Cisticola Cisticola Cisticola woosnami +++ W(m) Swallow-tailed Bee-eater Merops hirundineus ++ W(d) Stout Cisticola Cisticola robustus +++ L European Bee-eater Merops apiaster ++ O Croaking Cisticola Cisticola robustus +++ L Southern Carmine Bee-eater Merops nubicoides +++ O Short-winged Cisticola Cisticola brachypterus ++++ W, L Broad-billed Roller Eurystomus glaucurus ++ W(d) Tabora (Long-tailed) Cisticola Common Scinitarbill Rhinopomastus cyanomelas ++ W Cisticola angusticauda (+) KF Hoopoe Upupa epops Southern Ground Hornbill Bucorvus leadbeateri ++ W Talmy-flanked Prinia Prinia subflava ++++ W Crowned Hornbill Tockus alboterminatus ++ W(m), F Yellow-breasted Apalis Apalis flavida +++ F(m) Trumpeter Hornbill Tockus pallidirostris ++ W(m) Grey Apalis Apalis cinerea +++ F(m) Grey-backed Camaroptera Camaroptera brachyura ++ F(m) Grey-backed Camaroptera Camaroptera brachyura ++ W(m) Yellow-fronted Tinkerbird Pogoniulus bilineatus +++ F Southern Black Flycatcher Melaenornis pammelaina + W(d) Yellow-fronted Tinkerbird Pogoniulus chrysoconus ++ W(m) Pale Flycatcher Bradornis pallidus ++ W(d)		+	F(m)			F(m)
Giant Kingfisher Megaceryle maxima ++ K Southern Hyliota Australis + W(m) Little Bee-eater Merops pusillus +++ W(d) Red-faced Cisticola Cisticola erythrops +++ W(m) Swallow-tailed Bee-eater Merops variegatus ++++ U Trilling Cisticola Cisticola woosnami +++ W(m) Swallow-tailed Bee-eater Merops hirundineus ++ W(d) Stout Cisticola Cisticola robustus +++ U Croaking Cisticola Cisticola robustus +++ U Croaking Cisticola Cisticola Cisticola natalensis ++ U Croaking Cisticola Cis		++	K		++++	W(m)
Blue-breasted Bee-eater Merops variegatus ++++ L Trilling Cisticola Cisticola woosnami +++ W(m) Swallow-tailed Bee-eater Merops hirundineus ++ W(d) Stout Cisticola Cisticola robustus +++ L European Bee-eater Merops apiaster ++ O Croaking Cisticola Cisticola natalensis ++ L Southern Carmine Bee-eater Merops nubicoides +++ O Short-winged Cisticola Cisticola brachypterus ++++ W, L Broad-billed Roller Eurystomus glaucurus ++ W(d) Tabora (Long-tailed) Cisticola Common Scimitarbill Rhinopomastus cyanomelas ++ W Cisticola angusticauda (+) KF Hoopoe Upupa epops ++ W Pale-crowned Cisticola Cisticola cinnamomeus ++ L Southern Ground Hornbill Bucorvus leadbeateri ++ W Tawny-flanked Prinia Prinia subflava ++++ W Crowned Hornbill Tockus alboterminatus ++ W(m), F Yellow-breasted Apalis Apalis flavida ++ F(r Pale-billed Hornbill Tockus pallidirostris ++ W(m) Grey Apalis Apalis cinerea +++ F(m) Trumpeter Hornbill Bycanistes bucinator ++ F(m) Grey-backed Camaroptera Camaroptera brachyura ++ F(m) Whyte's Barbet Stactolaema whytii ++ W(m) Grey Wren Warbler Calamonastes simplex +++ W(m) Yellow-rumped Tinkerbird Pogoniulus bilineatus +++ F Southern Black Flycatcher Melaenornis pammelaina + W(d) Yellow-fronted Tinkerbird Pogoniulus chrysoconus ++ W(m) Pale Flycatcher Bradornis pallidus ++ W(d)	Giant Kingfisher Megaceryle maxima	++			+	W(m)
Swallow-tailed Bee-eater Merops hirundineus ++ W(d) Stout Cisticola Cisticola robustus +++ L European Bee-eater Merops apiaster ++ O Croaking Cisticola Cisticola natalensis ++ L Southern Carmine Bee-eater Merops nubicoides +++ O Short-winged Cisticola Cisticola brachypterus ++++ W, L Broad-billed Roller Eurystomus glaucurus ++ W(d) Tabora (Long-tailed) Cisticola Common Scimitarbill Rhinopomastus cyanomelas ++ W Cisticola angusticauda (+) KF Hoopoe Upupa epops ++ W Pale-crowned Cisticola Cisticola cinnamomeus ++ L Southern Ground Hornbill Bucorvus leadbeateri ++ W Tawny-flanked Prinia Prinia subflava ++++ W Crowned Hornbill Tockus alboterminatus ++ W(m), F Yellow-breasted Apalis Apalis flavida ++ F(m Pale-billed Hornbill Tockus pallidirostris ++ W(m) Grey Apalis Apalis cinerea ++ F(m) Trumpeter Hornbill Bycanistes bucinator ++ F(m) Grey-backed Camaroptera Camaroptera brachyura ++ F(m) Whyte's Barbet Stactolaema whytii ++ W(m) Grey Wren Warbler Calamonastes simplex +++ W(m) Yellow-tronted Tinkerbird Pogoniulus bilineatus +++ F Southern Black Flycatcher Melaenornis pammelaina + W(d) Yellow-fronted Tinkerbird Pogoniulus chrysoconus ++ W(m) Pale Flycatcher Bradornis pallidus ++ W(d)		++	W(d)	Red-faced Cisticola Cisticola erythrops	+++	K
European Bee-eater Merops apiaster ++ O Croaking Cisticola Cisticola natalensis ++ L Southern Carmine Bee-eater Merops nubicoides +++ W(d) Short-winged Cisticola Cisticola brachypterus ++++ W, L Short-winged Cisticola Cisticola brachypterus ++++ W, L Tabora (Long-tailed) Cisticola Cist		++++		· · · · · · · · · · · · · · · · · · ·	+++	W(m)
Southern Carmine Bee-eater Merops nubicoides +++ Broad-billed Roller Eurystomus glaucurus +++ Common Scimitarbill Rhinopomastus cyanomelas +++ W(d) Tabora (Long-tailed) Cisticola Cisticola angusticauda (+) KF Hoopoe Upupa epops ++ Southern Ground Hornbill Bucorvus leadbeateri Crowned Hornbill Tockus alboterminatus ++ W(m), F Yellow-breasted Apalis Apalis flavida ++ W(m) Grey Apalis Apalis cinerea ++ W(m) Grey Apalis Apalis cinerea ++ Whyte's Barbet Stactolaema whytii Yellow-rumped Tinkerbird Pogoniulus bilineatus ++ Yellow-fronted Tinkerbird Pogoniulus chrysoconus ++ W(m) Pale Flycatcher Bradornis pallidus ++ W(d) Short-winged Cisticola Cisticola brachypterus +++ W, L Short-winged Cisticola Cisticola cinnamomeus +++ W(h) Cisticola angusticauda (+) KF Tawny-flanked Prinia Prinia subflava +++ W(m) Grey Apalis Apalis flavida ++ F(m) Grey-backed Camaroptera Camaroptera brachyura ++ F(m) Grey Wren Warbler Calamonastes simplex +++ W(m) Yellow-fronted Tinkerbird Pogoniulus chrysoconus ++ W(m) Pale Flycatcher Bradornis pallidus ++ W(d)						L
Broad-billed Roller Eurystomus glaucurus ++ W(d) Tabora (Long-tailed) Cisticola angusticauda (+) KF W Cisticola angusticauda (+) KF W Pale-crowned Cisticola Cisticola cinnamomeus ++ W Pale-crowned Cisticola Cisticola cinnamomeus ++ W Tawny-flanked Prinia Prinia subflava ++++ W Tawny-flanked Prinia Prinia subflava ++++ W Tawny-flanked Prinia Prinia Subflava ++++ F(m) Grey Apalis Apalis flavida ++ F(m) Grey-backed Camaroptera Camaroptera brachyura ++ F(m) Grey-backed Camaroptera Camaroptera brachyura ++ F(m) Grey Wren Warbler Calamonastes simplex +++ W(m) Yellow-tronted Tinkerbird Pogoniulus bilineatus +++ F Southern Black Flycatcher Melaenornis pammelaina + W(d) W(d) Pale Flycatcher Bradornis pallidus +++ W(d)						L
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Southern Ground Hornbill Bucorvus leadbeateri ++ W Tawny-flanked Prinia Prinia subflava ++++ W(m), F Yellow-breasted Apalis Apalis flavida +++ F(m) Trumpeter Hornbill Bycanistes bucinator ++ W(m) Grey Apalis cinerea +++ F(m) Whyte's Barbet Stactolaema whytii ++ W(m) Grey Wren Warbler Calamonastes simplex +++ W(m) Yellow-rumped Tinkerbird Pogoniulus bilineatus +++ F Southern Black Flycatcher Melaenornis pammelaina + W(d) Yellow-fronted Tinkerbird Pogoniulus chrysoconus ++ W(m) Pale Flycatcher Bradornis pallidus +++ W(d)				· · · · · · · · · · · · · · · · · · ·	' '	L
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Trumpeter Hornbill Bycanistes bucinator ++ F(m) Grey-backed Camaroptera Camaroptera brachyura ++ F(m) Whyte's Barbet Stactolaema whytii ++ W(m) Grey Wren Warbler Calamonastes simplex +++ W(m) Yellow-rumped Tinkerbird Pogoniulus bilineatus +++ F Southern Black Flycatcher Melaenornis pammelaina + W(dellow-fronted Tinkerbird Pogoniulus chrysoconus ++ W(m) Pale Flycatcher Bradornis pallidus ++ W(dellow-fronted Tinkerbird Pogoniulus chrysoconus ++ W(m) Pale Flycatcher Bradornis pallidus ++ W(dellow-fronted Tinkerbird Pogoniulus chrysoconus ++ W(m) Pale Flycatcher Bradornis pallidus ++ W(dellow-fronted Tinkerbird Pogoniulus chrysoconus ++ W(m) Pale Flycatcher Bradornis pallidus ++ W(dellow-fronted Tinkerbird Pogoniulus chrysoconus ++ W(m) Pale Flycatcher Bradornis pallidus ++ W(dellow-fronted Tinkerbird Pogoniulus chrysoconus ++ W(dellow-fronted Tinker						F(m)
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Yellow-rumped Tinkerbird <i>Pogoniulus bilineatus</i> +++ F Southern Black Flycatcher <i>Melaenornis pammelaina</i> + W(d Yellow-fronted Tinkerbird <i>Pogoniulus chrysoconus</i> ++ W(m) Pale Flycatcher <i>Bradornis pallidus</i> ++ W(d	Whyte's Barbet Stactolaema whytii	++			+++	W(m)
Yellow-fronted Tinkerbird Pogoniulus chrysoconus ++ W(m) Pale Flycatcher Bradornis pallidus ++ W(d	Yellow-rumped Tinkerbird Pogoniulus bilineatus	+++			+	W(d)
W/m) Achy Elyastohar Mysociana cogrulaciones L. E. Codgo, W/m	Yellow-fronted Tinkerbird Pogoniulus chrysoconus	++	٠, ,			W(d)
Miombo Pied Barbet Iricholaema nontata + W(III) Asily Ptycatcher Muscicapa caerulescens +++ P (edge), W(III	Miombo Pied Barbet Tricholaema frontata	+	W(m)	Ashy Flycatcher Muscicapa caerulescens	+++	F (edge), W(m)

Cassin's Flycatcher Muscicapa cassini	+	K
African Dusky Flycatcher Muscicapa adusta	+++	F (edge), W(m)
Lead-coloured Flycatcher Myioparus plumbeus	+++	F(r), W(d)
African Paradise Flycatcher Terpsiphone viridis	+++	W, F
Black-throated Wattle-eye Platysteira peltata	+++	F
Chinspot Batis Batis molitor	++++	W
White-rumped Babbler Turdoides leucopygius	++	K
Rufous-bellied Tit Parus rufiventris	+++	W(m)
White-winged Black Tit Parus leucomelas	++	W(d)
Grey Penduline Tit Anthoscopus caroli	(+)	KF
Spotted Creeper Salpornis spilonotus	++	W(m)
Western Violet-backed Sunbird		
Anthreptes longuemarei	++++	W(m)
Anchieta's Sunbird Anthreptes anchietae	++++	W(m)
Olive Sunbird Cyanomitra olivacea	++++	F (m,r)
Amethyst Sunbird Chalcomitra amethystina	++++	W
Collared Sunbird Hedydipna collaris	++++	F
Miombo Double-collared Sunbird		14//
Cinnyris manoensis	++++	W(m)
Purple-banded Sunbird Cinnyris bifasciatus	++	K
Yellow-bellied Sunbird Cinnyris venustus	+++	F (edge), L
Yellow White-eye Zosterops senegalensis	+++	F, W(m)
Common Fiscal Lanius collaris	+	L
Many-coloured Bush-shrike Malaconotus multicolor	+	F(m)
Sulphur-breasted Bush-shrike		14// D
Malaconotus sulfureopectus	++	W(d)
Black-crowned Tchagra Tchagra senegalus	+++	W
Black-backed (Southern) Puffback Dryoscopus cubla		W, F
Tropical Boubou Laniarius aethiopicus	++++	vv, r
Brubru <i>Nilaus</i> afer	+++	W
	+++	W
White Helmet-shrike Prionops plumatus	+++	W
Retz's Helmet-shrike Prionops retzii	++	W
Eastern Black-headed Oriole Oriolus larvatus	+++	VV

African Golden Oriole Oriolus auratus	++	W
Square-tailed Drongo Dicrurus ludwigii	++	F
Fork-tailed Drongo Dicrurus adsimilis	+++	W
Splendid Glossy Starling Lamprotornis splendidus	++++	F(m,r)
Violet-backed Starling Cinnyricinclus leucogaster	+++	F, W
Yellow-billed Oxpecker Buphagus africanus	(+)	-
Yellow-throated Petronia Petronia superciliaris	+++	W
Chestnut-backed Sparrow Weaver		
Plocepasser rufoscapulatus	(+)	KF
Red-headed Weaver Anaplectes rubriceps	+	W
Spectacled Weaver Ploceus ocularis	++	F(r)
Holub's Golden Weaver Ploceus xanthops	++	K
Dark-backed Weaver Ploceus bicolor	++	F(r,m)
Red-collared Widowbird Euplectes ardens	+++	Ł
Marsh Widowbird Euplectes hartlaubi	++	L
Grey Waxbill Estrilda perreini	+	F(m)
Fawn-breasted Waxbill Estrilda paludicola	+++	L
Black-bellied Seedcracker Pyrenestes ostrinus	(+)	KF
Red-cheeked Cordon-bleu Uraeginthus bengalus	+	W
Red-throated Twinspot Hypargos niveoguttatus	+++	F
Orange-winged Pytilia Pytilia afra	+++	W
Blue-billed Firefinch Lagonosticta rubricata	+++	F (edge)
Jameson's Firefinch Lagonosticta rhodopareia	++	S
Black-chinned Quailfinch Ortygospiza gabonensis	++++	L
Locust Finch Paludipasser locustella	++	L
Bronze Mannikin Spermestes cucullatus	++	F (edge), W
Red-backed Mannikin Spermestes bicolor	++	F(m)
Parasitic Weaver Anomalospiza imberbis	(+)	-
Yellow-fronted Canary Serinus mozambicus	+	W
Black-eared Seedeater Serinus mennelli	+	W(m)
Cabanis's Bunting Emberiza cabanisi	++	W(m)
Golden-breasted Bunting Emberiza flaviventris	+++	W



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